Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB

| Substitute | for form 1449A/P | то     |            | Compl te if Known      |                   |  |
|------------|------------------|--------|------------|------------------------|-------------------|--|
| INIEO:     |                  |        | OLOGUET    | Application Number     |                   |  |
| INFO       | KMATION          | וט ו   | CLOSURE    | Filing Date            | November 26, 2003 |  |
| STAT       | EMENT E          | BY A   | PPLICANT   | First Named Inventor   | Shih-Jong J. Lee  |  |
|            |                  |        |            | Art Unit               |                   |  |
| ((         | ise as many she  | ets as | necessary) | Examiner Name          |                   |  |
| Sheet      | 1                | of     | 2          | Attorney Docket Number | SV31              |  |

| U.S. PATENT DOCUMENTS |          |  |                  |  |   |  |
|-----------------------|----------|--|------------------|--|---|--|
| Examiner<br>Initials  |          | Document Number<br>Number - Kind Code <sup>2</sup> (if known | Publication Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |
|                       |          | US-  | +                |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       | l        | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
| 7                     |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | UŞ-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  | -   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       |          | US-  |                  |  |   |  |
|                       | i        | US-  |                  |  |   |  |
|                       | <u> </u> | us-  |                  |  |   |  |

| FOREIGN PATENT DOCUMENTS |  |   |                                |  |   |         |  |  |
|--------------------------|--|---|--------------------------------|--|---|---------|--|--|
| Examiner<br>Initials     |  | Foreign Patent Document  Country Code 3 - Number 4 - Kind Code 4 (Il known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | Τ'      |  |  |
|                          |  |   |                                |  |   | _       |  |  |
|                          |  |   | <del></del>                    |  |   |         |  |  |
|                          |  |   |                                |  |   | -       |  |  |
|                          |  |   |                                |  |   |         |  |  |
|                          |  |   |                                |  |   | <u></u> |  |  |
|                          |  |   |                                |  |   | -       |  |  |
|                          |  |   |                                |  |   |         |  |  |

| Examiner  | /Nancy Bitar/ | Date       | 03/23/2007 |
|-----------|---------------|------------|------------|
| Signature | ,             | Considered | 03/23/2007 |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.usplo.qov">www.usplo.qov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 15 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Substitute fo | or form 1449B/PTO | •     | i               | Compl te if Known      |                   |  |
|---------------|-------------------|-------|-----------------|------------------------|-------------------|--|
| INCOR         | BAATION T         | 110   | CLOCURE         | Application Number     |                   |  |
| INFOR         | IVIATION L        | JIS   | CLOSURE         | Filing Date            | November 26, 2003 |  |
| STATE         | EMENT BY          | ′ Δ   | <b>PPLICANT</b> | First Named Inventor   | Shih-Jona J. Lee  |  |
| •             |                   | _     |                 | Group Art Unit         |                   |  |
|               | (use as many shee | ets a | s necessary)    | Examiner Name          |                   |  |
| Sheet         | 2                 | of    | 2               | Attorney Docket Number | SV31              |  |

|                                       |                          | OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS  |                |  |  |  |  |
|---------------------------------------|--------------------------|--|----------------|--|--|--|--|
| Examiner<br>Initials                  | Cile<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |  |  |  |  |
| /NB/                                  | 1                        | Manickam, Swami, Roth, Scott D., Bushman, Thomas, "Intelligent and Optimal Normalized correlation for High-Speed Pattern Matching", NEPCON WEST 2000   |                |  |  |  |  |
| /NB/                                  | 2                        | Gleason, S.S., M.A. Hunt, and W. B. Jatko, "Subpixel Measurement of Image Features Based on Paraboloid Surface fit", SPIE Vol. 1386. Machine Vision Systems Integration in Industry. 1990  |                |  |  |  |  |
| /NB/                                  | 3                        | Frischchlz Robert W. and Spinnler, Klaus P. "Class of algorithms for real-time subpixel registration" Proc. SPIE Vol. 1989, p. 50-59, Computer Vision for Industry, Donald W. Braggins; Ed   |                |  |  |  |  |
|                                       |                          |  |                |  |  |  |  |
|                                       |                          |  |                |  |  |  |  |
|                                       |                          |  |                |  |  |  |  |
|                                       |                          |  |                |  |  |  |  |
|                                       |                          |  |                |  |  |  |  |
|                                       |                          |  |                |  |  |  |  |
| · · · · · · · · · · · · · · · · · · · |                          |  |                |  |  |  |  |

| 4 |           | والمراجع والمراجع والمنافع المساول والمساكم والإراان المائم المتاكمات |            |            |
|---|-----------|---|------------|------------|
| ı | Examiner  | /Nancy Bitar/   | Date       | 03/23/2007 |
| ı | Signature | -   | Considered | 03/23/2007 |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional).. 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.